

ROLSCREEN

(Pella, Iowa)

GENERAL DESCRIPTION

The Rolscreen site is located in the NW 1/4 of the SE 1/4 of Section 10, Township 76N, Range 18W in Pella, Iowa Marion County and is owned by the Rolscreen Company. The site was entered on the Registry in January 1990.

SITE CLASSIFICATION

In 2001 the site was reclassified as “d” Site Properly Closed Requires Continued Management.

TYPE AND QUANTITY OF HAZARDOUS WASTE

The quantity of hazardous waste released from this site is undetermined. Initially, three underground tanks were identified on this site as having released a compound known as Miltreat. This wood preservative compound consisted of 95% mineral spirits and 5% pentachlorophenol (PCP). A subsequent groundwater investigation identified PCP, benzene, toluene, and xylenes in monitoring wells located on-site.

STATUS OF PUBLIC HEALTH AND ENVIRONMENTAL CONCERNS

- **The primary public health concern has been the potential exposure to contaminated groundwater, although contamination has been very localized and has not impacted, nor is it expected to impact, any water supply.**

The Rolscreen Company is located within Pella, Iowa. The city obtains its water supply from a set of collection wells located below the Red Rock Dam, which is approximately 3.7 miles southwest of the site. The closest well is located at a farmhouse approximately one-half mile south of the site. Sent Creek is located approximately one mile southwest of the site. The creek flows south into the Des Moines River below Red Rock Dam. The river is approximately 3.7 miles south of the site.

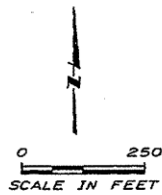
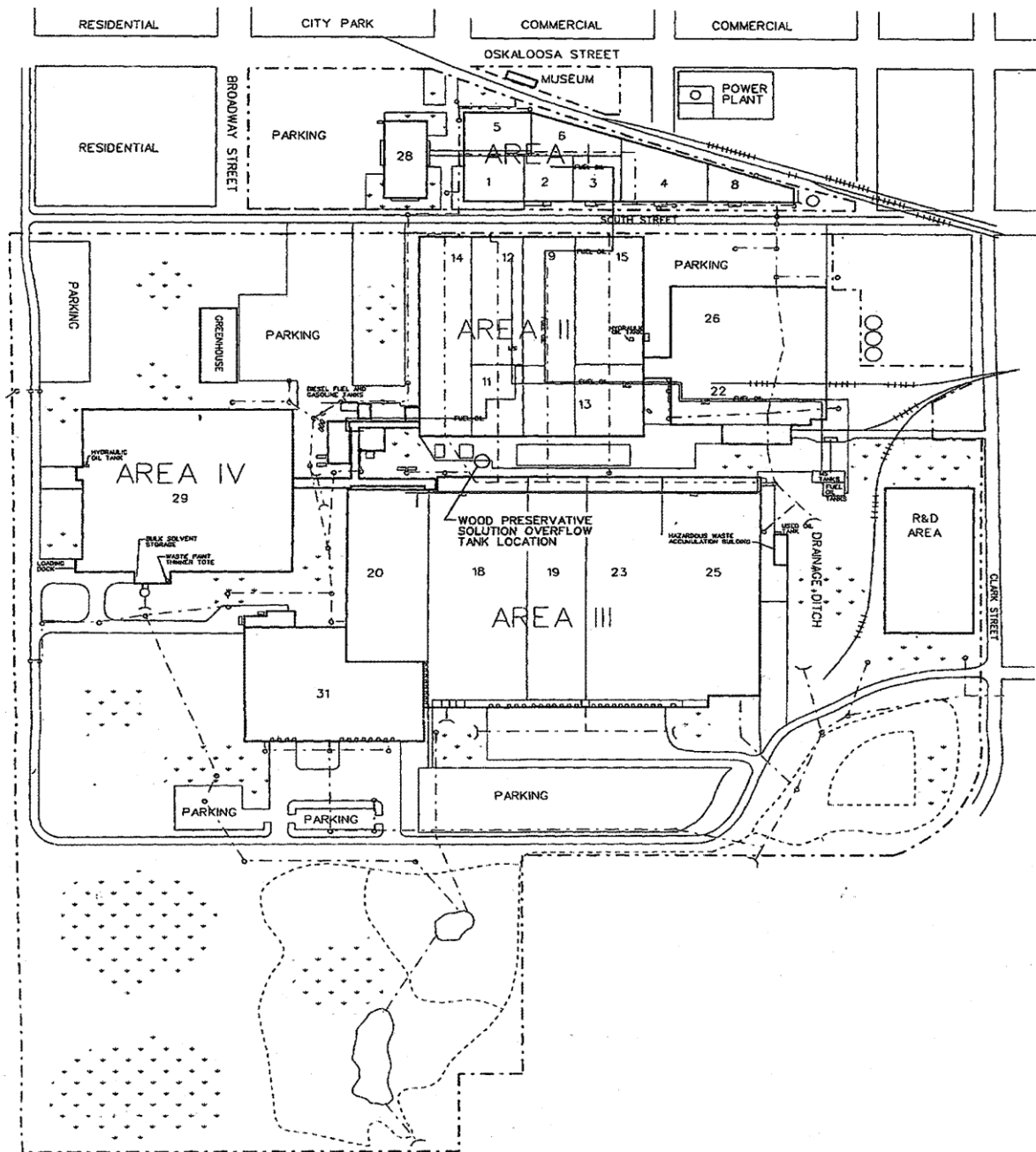
STATUS OF ASSESSMENT, MONITORING OR REMEDIAL ACTIONS

The state is the lead agency for the site.

In September 1988, Rolscreen removed 11 other underground tanks. Soil samples collected from the tank area showed a release had occurred. The original three Miltreat tanks were removed in January 1989. In the process of removing the tanks, an in-situ biological treatment system was installed. The system became fully operational in October 1989 and had five major elements. These included water collection, nutrient feed, water distribution, air distribution, and a secondary bio-reactor.

Remedial actions at the site were conducted in accordance with Administrative Consent Order 88-HC-05. Under the terms of the order, groundwater cleanup was to continue until the PCP level is reduced to 0.22 mg/L. The Order has since been rescinded and despite remedial efforts, groundwater contamination has remained in the immediate vicinity of the site at levels an order of magnitude above the cleanup goal and more than three orders of magnitude above the safe drinking water standard for PCP. The in-situ bio-remediation system in operation since late 1989 had only a marginal effect in reducing PCP contamination levels and was shut down in 1999.

In 2002 the IDNR closed the Consent Order as the site completed all remedial actions identified in the order. Although groundwater monitoring has been terminated, due to the determination of stable or improving conditions, the site remains listed to prevent installation of drinking water wells in the area.



LEGEND	
---	STORM SEWER
---	PROPERTY LINE
---	PAVEMENT
---	RECREATION PATH
---	MINERAL SPIRITS
---	FUEL OIL
	RAILROAD TRACKS
○	STORM SEWER INLET
○	STORM SEWER OUTLET
...	GRASS



MWH
MONTGOMERY WATSON HARZA

Des Moines
Iowa

PELLA CORPORATION
PELLA, IOWA

SITE MAP

FIGURE
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